



1600

## RAW SEQUENCE LISTING

DATE: 08/18/2003

PATENT APPLICATION: US/09/854,562

TIME: 17:10:04

Input Set : N:\Crf3\RULE60\09854562.raw

Output Set: N:\CRF4\08182003\I854562.raw

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1 <110> APPLICANT: OH, BOUNG-JUN
2      KO, MOON KYUNG
3      SHIN, BYONGCHUL
4      CHUNG, CHANG HO
5 <120> TITLE OF INVENTION: SMALL AND CYSTEINE RICH ANTIFUNGAL DEFENSIN AND
6      THIONIN-LIKE PROTEIN GENES HIGHLY EXPRESSED IN THE
7      INCOMPATIBLE INTERACTION
8 <130> FILE REFERENCE: 1942/44
9 <140> CURRENT APPLICATION NUMBER: 09/854,562
10 <141> CURRENT FILING DATE: 2001-05-15
11 <150> PRIOR APPLICATION NUMBER: US/09/442,631
12 <151> PRIOR FILING DATE: 1999-11-18
13 <160> NUMBER OF SEQ ID NOS: 4
14 <170> SOFTWARE: PatentIn Ver. 2.0
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 506
18 <212> TYPE: DNA
19 <213> ORGANISM: Capsicum annuum
20 <400> SEQUENCE: 1
21      aaagagacta tggctcgttc catttacttc atggcatttc ttgtcttggc aatgacactc 60
22      tttgttgctt atgggggtgca aggcaaggaa atttgctgta aagagctcac aaaacctggt 120
23      aaatgttcta gtgacctct atgtcaaaaa ctctgtatgg agaaggagaa atatgaagat 180
24      ggtcattggt tcacaatcct aagcaagtgc ttatgcatga agagatgtaa tgctaaaact 240
25      ctcgcaacag aattgcttgc ttgaagaaga gttcctcaag cagtaattaa gtttgattat 300
26      ggatttagtg tcacacaaaa ttaaataaag tgttgccctt cttaaaaggg taacttataa 360
27      tgttgatttc ttggtgtata gtagccattt gacacattaa attaaagttg tgacacatca 420
28      atccttcatg tatcttctat taagtttggtg tgttttaatg aaaagagatc gtttacggtc 480
29      taaaaaaaaa aaaaaaaaaa aaaaaa 506
31 <210> SEQ ID NO: 2
32 <211> LENGTH: 83
33 <212> TYPE: PRT
34 <213> ORGANISM: Capsicum annuum
35 <400> SEQUENCE: 2
36      Met Ala Arg Ser Ile Tyr Phe Met Ala Phe Leu Val Leu Ala Thr Leu
37      1          5          10          15
38      Phe Val Ala Tyr Gly Val Gln Gly Lys Glu Ile Cys Cys Lys Glu Leu
39      20          25          30
40      Thr Lys Pro Val Lys Cys Ser Ser Asp Pro Leu Cys Gln Lys Leu Cys
41      35          40          45
42      Met Glu Lys Glu Lys Tyr Glu Asp Gly His Cys Phe Thr Ile Leu Ser
43      50          55          60
44      Lys Cys Leu Cys Met Lys Arg Cys Asn Ala Lys Thr Leu Ala Thr Glu
45      65          70          75          80

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46      Leu Leu Ala
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 225
50 <212> TYPE: DNA
51 <213> ORGANISM: Capsicum annuum
52 <400> SEQUENCE: 3
53      atggctggct tttccaaagt ggttgcaact atttttctta tgatgttgct gggttttgct 60
54      actgatatga tggcggaggc aaagatctgc gaggcgttga gcggcaactt caaggggttg 120
55      tgccttagta gccgcgattg tggtaatgtt tgccgtagag agggatttac cgatggctct 180
56      tgcattggat tccgtcttca atgcttctgc acgaagccct gtgct      225
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 74
60 <212> TYPE: PRT
61 <213> ORGANISM: Capsicum annuum
62 <400> SEQUENCE: 4
63      Met Ala Gly Phe Ser Lys Val Val Ala Thr Ile Phe Leu Met Met Lys
64      1          5          10          15
65      Val Phe Ala Thr Asp Met Met Ala Glu Ala Lys Ile Cys Glu Ala Leu
66      20          25          30
67      Ser Gly Asn Phe Lys Gly Leu Cys Leu Ser Ser Arg Asp Cys Gly Asn
68      35          40          45
69      Val Cys Arg Arg Glu Gly Phe Thr Asp Gly Ser Cys Ile Gly Phe Arg
70      50          55          60
71      Leu Gln Cys Phe Cys Thr Lys Pro Cys Ala
72      65          70

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VERIFICATION SUMMARY

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Input Set : N:\Crf3\RULE60\09854562.raw

Output Set: N:\CRF4\08182003\I854562.raw